**IT012-Lab05**

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**3. Bài tập (chỉ sử dụng con trỏ)**

**a.**

**Source Code:**

.data

xuongdong : .asciiz " \n"

max: .asciiz "Max = "

min: .asciiz "Min = "

sum: .asciiz "Sum = "

vt: .asciiz "F["

vt2: .asciiz "] = "

mangso: .word 100

.text

li $v0, 5

syscall

move $s0, $v0

move $s1, $s0

la $t0, mangso

addi $s3, $s3,9999999

do1:

beq $s1, 0, ndo1

li $v0, 5

syscall

sw $v0, ($t0)

addi $t0,$t0,4

addi $s1,$s1,-1

add $s4,$s4,$v0

blt $v0,$s2,skip1

move $s2,$v0

skip1:

bgt $v0,$s3,skip2 #cập nhật min

move $s3,$v0 #s3 lưu min

skip2:

j do1

ndo1:

li $v0, 4

la $a0, max

syscall

li $v0, 1

move $a0, $s2

syscall

li $v0, 4

la $a0, xuongdong

syscall

li $v0, 4

la $a0, xuongdong

syscall

li $v0, 4

la $a0, min

syscall

li $v0, 1

move $a0, $s3

syscall

li $v0, 4

la $a0, xuongdong

syscall

li $v0, 4

la $a0, sum

syscall

li $v0, 1

move $a0, $s4

syscall

li $v0, 4

la $a0, xuongdong

syscall

li $v0, 5

syscall

move $s5, $v0

li $v0, 4

la $a0, vt

syscall

li $v0, 1

move $a0, $s5

syscall

li $v0, 4

la $a0, vt2

syscall

mul $s5, $s5, 4

la $t0, mangso

add $t0, $t0, $s5

li $v0, 1

lw $a0, ($t0)

syscall

**b**

**Source Code:**

blt $s0, $s1, do

mul $s4, $s0, 4

add $s3, $s3, $s4

sw $s1, ($s3)

j endif

do:

mul $s4, $s0, 4

add $s3, $s3, $s4

sw $s0, ($s3)

endif: